

08/06/82 93
Att 9

Pharmaceutical compositions comprising as active ingredient a therapeutically effective amount of the SV40 viruses or pseudoviruses according to the invention or a therapeutically effective amount of infected cells according to the invention are also within scope of this application.

Search Results - Record(s) 1 through 3 of 3 returned.

1. Document ID: WO 9717456 A1

Entry 1 of 3

File: EPAB

May 15, 1997

PUB-NO: WO009717456A1

DOCUMENT-IDENTIFIER: WO 9717456 A1

TITLE: IN VITRO CONSTRUCTION OF SV40 VIRUSES AND PSEUDOVIRUSES

PUBN-DATE: May 15, 1997

INVENTOR-INFORMATION:

NAME	COUNTRY
SANDALON, ZIV	IL
OPPENHEIM, AMOS B	IL
OPPENHEIM, ARIELLA	IL

INT-CL (IPC): C12N 15/86; C12N 15/87; C12N 15/37; C12N 7/04; C12N 5/10; C07K 14/025; A61K 39/12; A61K 48/00

ABSTRACT:

The invention relates to constructs capable of infecting mammalian cells comprising at least one semi-purified or pure SV40 capsid protein and a constituent selected from the group consisting of an exogenous DNA, a vector comprising an exogenous DNA, an exogenous RNA, a vector comprising an exogenous RNA, an exogenous protein or peptide product, and antisense RNA, ribozyme RNA or any RNA or DNA which inhibits or prevents the expression of undesired protein(s) in said mammalian cell and optionally further comprising operatively linked regulatory elements sufficient for the expression and/or replication of said exogenous protein in a mammalian cell. The protein product is preferably a therapeutic protein or peptide product which is not made or contained in mammalian cells, or is made or contained in such cells in abnormally low amount, or is made or contained in such cells in defective form, or is made or contained in mammalian cells in physiologically abnormal or normal amount and can be an enzyme, a receptor, a structural protein, a regulatory protein or a hormone. The invention further relates to a method for the in vitro construction of SV40 viruses or pseudoviruses constructs according to the invention. In a further aspect, the invention relates to mammalian, preferably human cells infected with the constructs of the invention or with constructs obtained by any of the methods of the invention. Still further, the invention relates to a method of providing a therapeutic DNA, RNA, protein or peptide product or antisense RNA to a patient in need of such product by administering to the patient a therapeutically effective amount of the SV40 viruses or pseudoviruses of the invention or a therapeutically effective amount of infected cells according to the invention.

2. Document ID: WO 9530762 A1

Entry 2 of 3

File: EPAB

Nov 16, 1995

PUB-NO: WO009530762A1

DOCUMENT-IDENTIFIER: WO 9530762 A1

TITLE: SV-40 DERIVED DNA CONSTRUCTS COMPRISING EXOGENOUS DNA SEQUENCES

PUBN-DATE: November 16, 1995

INVENTOR-INFORMATION:

NAME	COUNTRY
RUND, DEBORAH	IL
OPPENHEIM, ARIELLA	IL
DALYOT, NAVA	IL
BEN-NUN-SHAUL, ORLY	IL
SANDALON, ZIV	IL
CHAJEK-SHAUL, TOVA	IL
METZGER, SHULAMIT	IL

INT-CL (IPC): C12N 15/86; C12N 15/12; C12N 7/01; C12N 5/10; A61K 31/70; A61K 35/76; A61K 48/00

EUR-CL (EPC): A61K048/00 ; C12N007/00 , C12N015/86 , C07K014/705 , C07K014/775 , C07K014/805

ABSTRACT:

The invention relates to DNA constructs comprising an exogenous DNA sequence encoding a therapeutic protein product or itself a therapeutic product, DNA sequences derived from SV40 for replication and packaging of said construct into pseudovirions, and a DNA sequence encoding one or more regulatory elements sufficient for the expression of said therapeutic protein in a mammalian cell operatively linked thereto. The therapeutic product integrated into the DNA constructs of the invention can be a protein selected from the group consisting of enzymes, receptors, structural proteins, regulatory proteins and hormones. Of particular interest are beta -globin, P-glycoprotein and apolipoprotein A-I. Specific DNA constructs are plasmids pSO6 beta -9, pSO6 beta -1, pSO41, pSM1 and pSA1c. The invention also relates to SV40 pseudovirions containing a DNA construct according to the invention, which are capable of infecting and being expressed in mammalian cells. Also within the scope of the invention are transduced mammalian cells having integrated into their genome exogenous DNA sequence encoding a therapeutic protein product or itself a therapeutic product, DNA sequences derived from SV40 for replication and packaging of said construct into pseudovirions, and a DNA sequence encoding one or more

regulatory elements sufficient for the expression of said therapeutic protein in a mammalian cell
 operatively linked thereto, said cell being capable of expressing the therapeutic protein
 product. The invention also relates to method for in vivo and ex vivo treating an individual suffering from an acquired or hereditary pathological disorder, in which a therapeutic product is not made by said individual, or is made in abnormally low amounts or in a defective form or is normally made in physiological amounts to be increased by employing the DNA construct, pseudovirions or transduced cells of the invention.

DNA sequences for SV40 for replication and packaging of (I) into pseudovirions; and (c) DNA encoding 1 regulatory element for expression of the therapeutic protein in a mammalian cell. (a), (b) and (c) are operatively linked.

USE - (I) is useful in a pharmaceutical compsn. (claimed) for treating atherosclerosis. (I) can also be used to deliver apolipoprotein A-I or beta-globin to mammals and to treat haemopoietic disorders, e.g. beta-thalassaemia and other pathogenic disorders. (I) is used to transduce cells ex vivo, for treatment of AIDS or hepatitis.

3. Document ID: EP 772688 A1, WO 9530762 A1, AU 9524350 A, GB 2303137 A
 Entry 3 of 3

File: DWPI

May 14, 1997

Term
 2 SAME 1
 Documents
 3

including document number

Display Format:

DERWENT-ACC-NO: 1995-404125
 DERWENT-WEEK: 199724
 COPYRIGHT 2000 DERWENT INFORMATION LTD
 TITLE: DNA constructs for the treatment of atherosclerosis, hepatitis, AIDS etc. - comprise SV40 replication-packaging sequences and exogenous DNA encoding a therapeutic protein
 INVENTOR: BEN-NUN-SHAUL, O ; CHAJEK-SHAUL, T ; DALYOT, N ; METZGER, S ; OPPENHEIM, A ; RUND, D ; SANDALON, Z ; BEN-NUNSHAUL, O ; CHAJEKSHAUL, T

PRIORITY-DATA:
 1994IL-0109558

May 4, 1994

PATENT-FAMILY:
 PUB-NO

PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 772688 A1 May 14, 1997	E	000	C12N015/86
WO 9530762 A1 November 16, 1995	E	082	C12N015/86
AU 9524350 A November 29, 1995	N/A	000	C12N015/86
GB 2303137 A February 12, 1997	N/A	001	C12N015/86

INT-CL (IPC): A61K 31/70; A61K 35/76; A61K 48/00; C12N 5/10; C12N 7/01; C12N 15/11; C12N 15/12; C12N 15/86

ABSTRACTED-PUB-NO: WO 9530762A
 BASIC-ABSTRACT:

A DNA construct (I) comprises: (a) an exogenous DNA sequence encoding a therapeutic protein; (b)

Search Results - Record(s) 1 through 76 of 76 returned.

1. Document ID: US 6054566 A
Entry 1 of 76

File: USPT

Apr 25, 2000

US-PAT-NO: 6054566
DOCUMENT-IDENTIFIER: US 6054566 A

TITLE: Recombinant animal viral nucleic acids

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME

	CITY	STATE	ZIP CODE	COUNTRY
Donson; Jon	Davis	CA	N/A	N/A
Dawson; William O.	Winter Haven	FL	N/A	N/A
Granthan; George L.	Riverside	CA	N/A	N/A
Turpen; Thomas H.	Vacaville	CA	N/A	N/A
Turpen; Ann Myers	Vacaville	CA	N/A	N/A
Garger; Stephen J.	Vacaville	CA	N/A	N/A
Grill; Laurence K.	Vacaville	CA	N/A	N/A

US-CL-CURRENT: 536/23.1; 435/320.1

ABSTRACT:

The present invention relates to a recombinant viral nucleic acid selected from a (+) sense, single stranded RNA virus possessing a native subgenomic promoter encoding for a first viral subgenomic promoter, a nucleic acid sequence that codes for a viral coat protein whose transcription is regulated by the first viral subgenomic promoter, a second viral subgenomic promoter and a second nucleic acid sequence whose transcription is regulated by the second viral subgenomic promoter. The first and second viral subgenomic promoters of the recombinant viral nucleic acid do not have homologous sequences relative to each other. The recombinant viral nucleic acid provides the particular advantage that it systemically

transcribes the second nucleic acid in the host. Host organisms encompassed by the present invention include prokaryotes and eucaryotes, particularly animals and plants.

The present invention also relates to viruses containing the viral vectors which are infective, production cells which are capable of producing the viruses or parts thereof, a host infected by the viruses of the invention, the gene products produced by expression of the viral nucleic acids and a process for the production of a desired product by growing the infected hosts.

1 Claims, 9 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 8

2. Document ID: US 6051426 A
Entry 2 of 76

File: USPT

Apr 18, 2000

US-PAT-NO: 6051426
DOCUMENT-IDENTIFIER: US 6051426 A

TITLE: Vectors for transforming CHO cells

DATE-ISSUED: April 18, 2000

INVENTOR-INFORMATION:

	CITY	STATE	ZIP CODE	COUNTRY
Sobczak; Elaine	Paris	N/A	N/A	FRX
Malpiece, deceased; Yves	late of Amiens	N/A	N/A	FRX
Michel; Marie-Louise	Paris	N/A	N/A	FRX
Tiollais; Pierre	Paris	N/A	N/A	FRX
Streck; Rolf E.	Paris	N/A	N/A	FRX

US-CL-CURRENT: 435/362; 435/320.1

ABSTRACT:

The invention concerns a composition useful for the manufacture of vaccines containing particles having the immunogenic properties characteristic of the antigen HBsAg, these particles being more particularly characterized by the fact that the particles equally contain a receptor for polymerized human albumin. They are obtained by transformation of human or animal cells by a vector containing a DNA sequence coding for the S and pre-S regions of a

genome of viral hepatitis B, this DNA sequence being placed under the direct control of a promoter permitting the effective transcription of the sequence in the human or animal cells transformable by the vector.

2 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

3. Document ID: US 6046173 A
Entry 3 of 76

File: USPTO Apr 4, 2000

US-PAT-NO: 6046173
DOCUMENT-IDENTIFIER: US 6046173 A

TITLE: Polyoma virus pseudocapsids and method to deliver material into cell

DATE-ISSUED: April 4, 2000

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Forstova ; Jitka	Prague	N/A	N/A	CZK
Griffin; Beverly Elayne	London	N/A	N/A	GBX
Krauzewicz; Nina Sheila	Reading	N/A	N/A	GBX

US-CL-CURRENT: 514/44

ABSTRACT:

The present invention relates to biologically useful material in the form of a pseudocapsid formed from papovavirus major capsid antigen and excluding minor capsid antigens, which pseudocapsid incorporates exogenous material. The invention also relates to a method of using the pseudocapsids as vectors for exogenous material transfer, especially gene transfer in the therapy of genetic disorders, or other uses such as antibody or drug targeting.

8 Claims, 13 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

4. Document ID: US 6037150 A
Entry 4 of 76

File: USPTO Mar 14, 2000

US-PAT-NO: 6037150
DOCUMENT-IDENTIFIER: US 6037150 A

TITLE: Insect sequences for improving the efficiency of secretion of

non-secreted proteins in eukaryotic cells

DATE-ISSUED: March 14, 2000

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Iatrou; Kostas	Calgary	N/A	N/A	CAX
Farrell; Patrick J.	Calgary	N/A	N/A	CAX
Behie; Leo A.	Calgary	N/A	N/A	CAX

US-CL-CURRENT: 435/69.7; 435/196, 435/320.1, 435/325, 435/348, 435/455, 435/456, 435/471, 435/475, 435/69.1, 435/69.8, 536/23.4, 536/23.5, 536/23.51, 536/23.72, 536/24.1, 536/24.2

ABSTRACT:

An expression cassette useful for the secretion of a heterologous protein from eukaryotic cells comprising a DNA sequence encoding a promoter functionally linked to a DNA sequence coding for the juvenile hormone esterase gene which is linked in frame to a heterologous gene is disclosed. Also disclosed is a method of secreting heterologous proteins in eukaryotic cells.

17 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

5. Document ID: US 6033670 A
Entry 5 of 76

File: USPTO Mar 7, 2000

US-PAT-NO: 6033670
DOCUMENT-IDENTIFIER: US 6033670 A

TITLE: Recombinant live avian vaccine, using as vector the avian infectious laryngotracheitis virus

DATE-ISSUED: March 7, 2000

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Bublot; Michel Joseph Marie	Saint-Genis-Les-Ollières	N/A	N/A	FRX
Audonnet; Jean-Christophe Francis	Lyons	N/A	N/A	

Laplace; Eliane Louise Francise Oullins	N/A	FRX
	N/A	FRX

US-CL-CURRENT: 424/199.1; 435/235.1, 435/320.1

ABSTRACT:

The recombinant live avian vaccine comprises as vector an ILTV virus comprising and expressing at least one heterologous nucleotide sequence, this nucleotide sequence being inserted into the insertion locus formed by the intergenic region located between the stop codons of ORF B and ORF C of ILTV, which region, in a particular strain of ILTV, is defined between nucleotides 908 and 994 in SEQ ID NO:1.
 38 Claims, 18 Drawing figures
 Exemplary Claim Number: 1
 Number of Drawing Sheets: 27

6. Document ID: US 6033663 A
 Entry 6 of 76

File: USPT
 Mar 7, 2000

US-PAT-NO: 6033663
 DOCUMENT-IDENTIFIER: US 6033663 A

TITLE: Nucleic acids encoding GDP-Fucose pyrophosphorylase

DATE-ISSUED: March 7, 2000

INVENTOR-INFORMATION:
 NAME

CITY	STATE	ZIP CODE	COUNTRY
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Ketcham; Catherine M.	Encinitas	CA	N/A
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Elbein; Alan D.	Little Rock	AR	N/A
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Drake; Richard R.	Little Rock	AR	N/A
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Pastuszak; Irena	Little Rock	AR	N/A
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US-CL-CURRENT: 424/94.5; 435/194, 435/252.3, 435/320.1, 435/69.1, 530/350, 536/23.2

ABSTRACT:

DNA sequences encoding GDP-fucose pyrophosphorylase (GTP+fucose-1-P.fwdarw.GDP-fucose+PP.sub.i), are provided. The enzymes can be used in the synthesis of desired carbohydrate structures.

10 Claims, 0 Drawing figures
 Exemplary Claim Number: 1

7. Document ID: US 6031003 A
 Entry 7 of 76

File: USPT

Feb 29, 2000

US-PAT-NO: 6031003

DOCUMENT-IDENTIFIER: US 6031003 A

TITLE: Calcium receptor-active molecules

DATE-ISSUED: February 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Nemeth; Edward F.	Salt Lake City	UT	N/A	N/A
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Van Wagenen; Bradford C.	Salt Lake City	UT	N/A	N/A
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Balandrin; Manuel F.	Sandy	UT	N/A	N/A
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DelMar; Eric G.	Salt Lake City	UT	N/A	N/A
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Moe; Scott T.	Salt Lake City	UT	N/A	N/A
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			N/A	N/A
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US-CL-CURRENT: 514/579; 514/607, 514/614, 514/646, 514/649

ABSTRACT:

The present invention relates to the different roles inorganic ion receptors have in cellular and body processes. The present invention features: (1) molecules which can modulate one or more inorganic ion receptor activities, preferably the molecule can mimic or block an effect of an extracellular ion on a cell having an inorganic ion receptor, more preferably the extracellular ion is Ca.sup.2+ and the effect is on a cell having a calcium receptor; (2) inorganic ion receptor proteins and fragments thereof, preferably calcium receptor proteins and fragments thereof; (3) nucleic acids encoding inorganic ion receptor proteins and fragments thereof, preferably calcium receptor proteins and fragments thereof; (4) antibodies and fragments thereof, targeted to inorganic ion receptor proteins, preferably calcium receptor protein; and (5) uses of such molecules, proteins, nucleic acids and antibodies. 145 Claims, 109 Drawing figures
 Exemplary Claim Number: 1
 Number of Drawing Sheets: 85

8. Document ID: US 6027881 A
Entry 8 of 76

File: USPT
Feb 22, 2000

US-PAT-NO: 6027881
DOCUMENT-IDENTIFIER: US 6027881 A

TITLE: Mutant Aequorea victoria fluorescent proteins having increased cellular fluorescence

DATE-ISSUED: February 22, 2000

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Pavlakis; George N.	Rockville	MD	N/A	N/A
Gaitanaris; George A.	Gaithersburg	MD	N/A	N/A
Stauber; Roland H.	Frederick	MD	N/A	N/A
Vourmakis; John N.	Hanover	NH	N/A	N/A

US-CL-CURRENT: 435/6; 435/252.3, 435/320.1, 435/69.1, 435/69.7, 530/350, 536/23.4, 536/23.5

ABSTRACT:

The present invention is directed to mutants of the jellyfish Aequorea victoria green fluorescent protein (GFP) having at least 5 and preferably greater than 20 times the specific green fluorescence of the wild type protein. In other embodiments, the invention comprises mutant blue fluorescent proteins (BFPs) that emit an enhanced blue fluorescence. The invention also encompasses the expression of nucleic acids that encode a mutant GFP or BFP in a wide variety of engineered host cells, and the isolation of engineered proteins having increased fluorescent activity. The novel mutants of the present invention allow for a significantly more sensitive detection of fluorescence in engineered host cells than is possible with GFP or with its known mutants. Thus, the mutant fluorescent proteins provided herein can be used as sensitive reporter molecules to detect the cell and tissue-specific expression and subcellular compartmentalization of GFP or BFP mutants, or of chimeric proteins comprising GFP or BFP mutants fused to a regulatory sequence or to a second protein sequence. 21 Claims, 0 Drawing figures Exemplary Claim Number: 1

9. Document ID: US 6017734 A

Entry 9 of 76

File: USPT

Jan 25, 2000

US-PAT-NO: 6017734
DOCUMENT-IDENTIFIER: US 6017734 A

TITLE: Unique nucleotide and amino acid sequence and uses thereof

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Summers; Max D.	Bryan	TX	N/A	N/A
Braunagel; Sharon C.	Bryan	TX	N/A	N/A
Hong; Tao	Bryan	TX	N/A	N/A

US-CL-CURRENT: 435/69.7; 435/320.1, 435/348, 435/365, 435/91.4, 536/23.1, 536/23.72, 536/24.1

ABSTRACT:

Provided are hydrophobic targeting sequences, which may serve to target heterologous proteins to a variety of cellular membranes. In particular, the structural components of the nuclear envelope, or those components which become nucleus-associated, may be targeted with the sequences provided. Also provided are methods of targeting heterologous proteins to particular membranes, and the use of these targeted proteins in therapeutic, diagnostic and insecticidal applications.

56 Claims, 47 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 24

10. Document ID: US 6017536 A

Entry 10 of 76

File: USPT

Jan 25, 2000

US-PAT-NO: 6017536
DOCUMENT-IDENTIFIER: US 6017536 A

TITLE: Simian immunodeficiency virus peptides with antifusogenic and antiviral activities

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		

Lambert; Dennis Michael	Cary	NC	N/A	N/A	Moe; Scott T.	Salt Lake City	UT	N/A
Petteway; Stephen Robert	Cary	NC	N/A	N/A			N/A	N/A
Langlois; Alphonse J.	Durham	NC	N/A	N/A				
					US-CL-CURRENT: 514/654; 564/337, 564/366, 564/374, 564/384, 564/389			
					ABSTRACT:			
					The present invention relates to the different roles inorganic ion receptors have in cellular and body processes. The present invention features: (1) molecules which can modulate one or more inorganic ion receptor activities, preferably the molecule can mimic or block an effect of an extracellular ion on a cell having an inorganic ion receptor, more preferably the extracellular ion is Ca ²⁺ and the effect is on a cell having a calcium receptor; (2) inorganic ion receptor proteins and fragments thereof, preferably calcium receptor proteins and fragments thereof; (3) nucleic acids encoding inorganic ion receptor proteins and fragments thereof, preferably calcium receptor proteins and fragments thereof; (4) antibodies targeted to inorganic ion receptor proteins, preferably calcium receptor protein; and (5) uses of such molecules, proteins, nucleic acids and antibodies.			
					103 Claims, 111 Drawing figures			
					Exemplary Claim Number: 1			
					Number of Drawing Sheets: 85			

11. Document ID: US 6011068 A
Entry 11 of 76

File: USPT

Jan 4, 2000

US-PAT-NO: 6011068
DOCUMENT-IDENTIFIER: US 6011068 A
TITLE: Calcium receptor-active molecules

DATE-ISSUED: January 4, 2000

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Nemeth; Edward F.	Salt Lake City	UT	N/A	N/A
Van Wagenen; Bradford C.	Salt Lake City	UT	N/A	N/A
Balandrin; Manuel F.	Sandy	UT	N/A	N/A
DelMar; Eric G.	Salt Lake City	UT	N/A	N/A

12. Document ID: US 6005089 A
Entry 12 of 76

File: USPT

Dec 21, 1999

US-PAT-NO: 6005089
DOCUMENT-IDENTIFIER: US 6005089 A

TITLE: Platelet glycoprotein V gene and uses

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Lanza; Francois	Schiltigheim	N/A	N/A	FRX
Phillips; David R.	Oakland	CA	N/A	N/A
Cazenave; Jean-Pierre	Lampertheim	N/A	N/A	FRX

US-CL-CURRENT: 536/23.5; 435/252.3, 435/325, 435/6, 536/23.1, 536/24.1

ABSTRACT:

This invention relates to the glycoprotein v gene. Specifically, this invention discloses the sequence and structure of the glycoprotein v gene and the amino acid sequence of the glycoprotein v polypeptide. In addition, the evolutionary relationship of the glycoprotein v gene with other glycoproteins is described and several uses of the isolated glycoprotein v gene are shown.

16 Claims, 9 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 10

13. Document ID: US 6004940 A
Entry 13 of 76

File: USPT
Dec 21, 1999

US-PAT-NO: 6004940
DOCUMENT-IDENTIFIER: US 6004940 A

TITLE: Intracellular targeting of endogenous proteins

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Marasco; Wayne A.	Wellesley	MA	N/A	N/A
Richardson; Jennifer	Cambridge	MA	N/A	N/A

US-CL-CURRENT: 514/44; 435/320.1, 536/23.1, 536/23.53

ABSTRACT:

The present invention relates to a method by which one can target an undesired target molecule or target antigen, preferably an endogenous protein. The method comprises the intracellular expression of an antibody capable of binding to the target. A DNA sequence is delivered to a cell, the DNA sequence contains a sufficient number of nucleotides coding for the portion of an antibody capable of binding to the target operably linked to a promoter that will permit expression of the antibody in the cell(s) of interest. The antibody is then expressed intracellularly and binds to the target, thereby disrupting the target from its normal actions.

32 Claims, 15 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

14. Document ID: US 5989551 A
Entry 14 of 76

File: USPT
Nov 23, 1999

US-PAT-NO: 5989551
DOCUMENT-IDENTIFIER: US 5989551 A

TITLE: Materials and methods for detection and treatment of insulin-dependent diabetes

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
MacLaren; Noel K.	Gainesville	FL	N/A	N/A
Notkins; Abner L.	McLean	VA	N/A	N/A
Lan; Michael S.	Rockville	MD	N/A	N/A
Li; Qing	Gaithersburg	MD	N/A	N/A

US-CL-CURRENT: 424/185.1; 435/325, 530/324, 530/350

ABSTRACT:

The method and compositions of this invention provide an effective and reliable substitute for the currently employed ICA assay for diabetes. By providing a method for detecting autoantibodies to GAD sub.65, IA-2 and a previously unidentified antigen termed IA-2.beta. herein, the method provides a chemical assay which has improved reliability. In addition, these antigens may be employed in therapeutic regimens aimed at achieving amelioration of the clinical condition.

6 Claims, 9 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

15. Document ID: US 5989541 A
Entry 15 of 76

File: USPT
Nov 23, 1999

US-PAT-NO: 5989541
DOCUMENT-IDENTIFIER: US 5989541 A

TITLE: Methods of expressing proteins in insect cells and methods of killing insects

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Iatrou; Kostas	Calgary	N/A	N/A	CAX

US-CL-CURRENT: 424/93.2; 424/93.6, 435/320.1, 435/456, 435/69.1

ABSTRACT:

Described herein is a method of expressing heterologous proteins in insect cells using an expression cassette comprising a structural gene for a heterologous protein physically attached to an insect cellular promoter and an enhancer. The cells may also express the IE-1 product. Also described herein is a method of killing insects comprising infecting the insects with a recombinant baculovirus comprising a structural gene for an incompatible protein functionally linked to an insect cellular promoter and an enhancer. The invention is also directed towards expression cassettes comprising an insect cellular promoter functionally linked to an enhancer wherein the promoter is capable of directing the expression of a heterologous protein in tissues containing the expression cassette, recombinant expression cassettes containing heterologous proteins, transplacement fragments, vectors and recombinant baculoviruses. 13 Claims, 32 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 13

16. Document ID: US 5985562 A

Entry 16 of 76

File: USPT

Nov 16, 1999

US-PAT-NO: 5985562

DOCUMENT-IDENTIFIER: US 5985562 A

TITLE: Method of detecting thrombotic disease risk associated with plasma carboxypeptidase B polymorphisms

DATE-ISSUED: November 16, 1999

INVENTOR-INFORMATION:

NAME

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morser; Michael John	San Francisco	CA	N/A	N/A
Nagashima; Mariko	Belmont	CA	N/A	N/A

US-CL-CURRENT: 435/6; 435/7.1, 435/91.2

ABSTRACT:

Polymorphisms within a plasma carboxypeptidase designated plasma carboxypeptidase B (PCPB) have been identified. The relative distribution of these polymorphs in a patient's blood can be used

to assess an individual's risk toward thrombotic disease.

15 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

17. Document ID: US 5981502 A

Entry 17 of 76

File: USPT

Nov 9, 1999

US-PAT-NO: 5981502

DOCUMENT-IDENTIFIER: US 5981502 A

TITLE: Methods and compositions for inducing apoptosis in tumor cells

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Noteborn; Matheus Hubertus Maria	Leiderdorp	N/A	N/A	NLX
Koch; Guus	AG Lelystad	N/A	N/A	NLX

US-CL-CURRENT: 514/44; 435/7.23, 514/12, 514/2

ABSTRACT:

Novel proteins of the Chicken Anemia Virus are described and compositions for preventing or treating infections with that virus (CAV), in particular vaccines less pathogenic than the CAV itself, but yet leading to neutralizing antibodies in the immunized animal. Besides, there are described compositions containing antibodies against parts of the CAV for the control of infections with CAV and anti-idiotype antibodies. The invention also provides antibodies and test kits for the detection of CAV. Recombinant DNA molecules derived from CAV and host cells transfected therewith and vaccines based on these host cells are made possible by this invention. The invention also comprises living virus vaccines in which a piece of DAN is brought into a virus infectious to the host. Besides, the Invention provides uses of proteins of CAV in the induction of apoptosis, in particular in tumor cells. It further provides the induction of cell death by means of gene therapy. 7 Claims, 32 Drawing figures Exemplary Claim Number: 1,4 Number of Drawing Sheets: 17

18. Document ID: US 5981712 A

Entry 18 of 76

File: USPT

Nov 9, 1999

US-PAT-NO: 5981712

DOCUMENT-IDENTIFIER: US 5981712 A

TITLE: DNA encoding CA1 resistance proteins and uses thereof

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE
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		ZIP CODE	COUNTRY	
Kohn; Elise C.	Olney	MD	N/A	US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/6, 536/23.1
			N/A	ABSTRACT:
Liotta; Lance A.	Potomac	MD	N/A	The invention provides a human importin alpha homolog (IMPAH) and polynucleotides which identify and encode IMPAH. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention also provides methods for treating disorders associated with expression of IMPAH.
			N/A	10 Claims, 9 Drawing figures
Kim; Young Sook	Bethesda	MD	N/A	Exemplary Claim Number: 1
			N/A	Number of Drawing Sheets: 9

US-CL-CURRENT: 530/387.9; 530/350, 530/387.1, 530/388.1, 530/388.24

ABSTRACT:

This invention provides for nucleotide sequences that encode CAI proteins correlated with cellular resistance to carboxyamido-triazole (CAI) and functionally equivalent compounds. The invention further provides for methods of detecting CAI resistance in biological samples and for cell lines that grow and proliferate in the presence of CAI and functionally equivalent compounds.

6 Claims, 1 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 1

19. Document ID: US 5965394 A
Entry 19 of 76

File: USPTO
Oct 12, 1999

US-PAT-NO: 5965394
DOCUMENT-IDENTIFIER: US 5965394 A

TITLE: Human importin alpha homolog

DATE-ISSUED: October 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA	N/A	N/A
Guegler; Karl J.	Menlo Park	CA	N/A	N/A
Corley; Neil C.	Mountain View	CA	N/A	N/A
Shah; Purvi	Sunnyvale	CA	N/A	N/A

20. Document ID: US 5965371 A
Entry 20 of 76

File: USPTO
Oct 12, 1999

US-PAT-NO: 5965371
DOCUMENT-IDENTIFIER: US 5965371 A

TITLE: Method of intracellular binding of target molecules

DATE-ISSUED: October 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Marasco; Wayne A.	Wellesley	MA	N/A	N/A
Haseltine; William A.	Cambridge	MA	N/A	N/A

US-CL-CURRENT: 435/7.1; 424/93.2, 435/326, 435/328, 435/330, 435/339, 435/69.1, 514/44

ABSTRACT:

The present invention relates to a method by which one can target an undesired target molecule or target antigen, preferably a protein. The method comprises the intracellular expression of an antibody capable of binding to the target. A DNA sequence is delivered to a cell, the DNA sequence contains a sufficient number of nucleotides coding for the portion of an antibody capable of binding to the target operably linked to a promoter that will permit expression of the antibody in the cell(s) of interest. The antibody is then expressed intracellularly and binds to the target, thereby disrupting the target from its normal actions.

101 Claims, 33 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 17

21. Document ID: US 5962314 A
Entry 21 of 76

File: USPTO

Oct 5, 1999

US-PAT-NO: 5962314
DOCUMENT-IDENTIFIER: US 5962314 A

TITLE: Calcium receptor-active molecules

DATE-ISSUED: October 5, 1999

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Brown; Edward M.	Milton	MA	N/A	N/A
Hebert; Steven C.	Wellesley	MA	N/A	N/A
Garrett, Jr.; James E.	Salt Lake City	UT	N/A	N/A

US-CL-CURRENT: 435/320.1; 435/243, 435/252.3, 435/325, 530/300, 530/326, 530/350, 536/23.1, 536/23.4, 536/23.5, 536/24.31

ABSTRACT:

The present invention relates to the different roles inorganic ion receptors have in cellular and body processes. The present invention features: (1) molecules which can modulate one or more inorganic ion receptor activities, preferably the molecule can mimic or block an effect of an extracellular ion on a cell having an inorganic ion receptor, more preferably the extracellular ion is Ca²⁺ and the effect is on a cell having a calcium receptor; (2) inorganic ion receptor proteins and fragments thereof, preferably calcium receptor proteins and fragments thereof; (3) nucleic acids encoding inorganic ion receptor proteins and fragments thereof, preferably calcium receptor proteins and fragments thereof; (4) antibodies and fragments thereof, targeted to inorganic ion receptor proteins, preferably calcium receptor protein; and (5) uses of such molecules, proteins, nucleic acids and antibodies.

36 Claims, 111 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 85

22. Document ID: US 5958768 A
Entry 22 of 76

File: USPT
Sep 28, 1999

US-PAT-NO: 5958768
DOCUMENT-IDENTIFIER: US 5958768 A

TITLE: Chimeric antiviral agents comprising Rev binding nucleic acids and trans-acting ribozymes, and molecules encoding them

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Kraus; Gunter	Miami	FL	N/A	N/A
Wong-Staal; Flossie	San Diego	CA	N/A	N/A
Yu; Mang	San Diego	CA	N/A	N/A
Yamada; Osamu	Kobe	N/A	N/A	N/A

US-CL-CURRENT: 435/372.3; 435/320.1, 435/325, 435/366, 435/455, 536/24.5

ABSTRACT:

Methods and compositions for the treatment and diagnosis of infections of Rev-binding primate lentiviruses are provided. These methods and compositions utilize the ability of Rev binding nucleic acids such as the SLII sequence from the HIV-1 Rev response element (RRE) to target therapeutic agents to the same sub-cellular location as primate lentiviruses which contain RRE sequences. In particular, the invention provides trans-acting ribozymes comprising Rev-binding nucleic acids less toxic than a full-length RRE, and molecules encoding them. The use of the compositions of the invention as components of diagnostic assays, as prophylactic reagents, and in vectors is also described.

25 Claims, 18 Drawing figures
Exemplary Claim Number: 1,21
Number of Drawing Sheets: 7

23. Document ID: US 5952002 A
Entry 23 of 76

File: USPT
Sep 14, 1999

US-PAT-NO: 5952002
DOCUMENT-IDENTIFIER: US 5952002 A

TITLE: Chicken anemia virus mutants and vaccines and uses based on the viral proteins VP1, VP2 and VP3 or sequences of that virus coding therefor

DATE-ISSUED: September 14, 1999

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Noteborn; Matheus Hubertus Maria	Leiden	N/A		

Koch; Guus	N/A	NLX
	Lelystad	N/A
		N/A
		NLX

US-CL-CURRENT: 424/450; 424/186.1, 424/192.1, 424/204.1, 424/205.1, 435/235.1, 435/252.3, 435/320.1, 435/325, 435/348, 514/44, 530/350, 536/23.72

ABSTRACT:

Novel proteins of the Chicken Anemia Virus are described and compositions for preventing or treating infections with that virus (CAV), in particular vaccines less pathogenic than the CAV itself, but yet leading to neutralizing antibodies in the immunized animal. Besides, there are described compositions containing antibodies against parts of the CAV for the control of infections with CAV and anti-idiotype antibodies. The invention also provides antibodies and test kits for the detection of CAV. Recombinant DNA molecules derived from CAV and host cells transfected therewith and vaccines based on these host cells are made possible by this invention. The invention also comprises living virus vaccines in which a piece of DNA is brought into a virus infectious to the host. Besides, the invention provides uses of proteins of CAV in the induction of apoptosis, in particular in tumor cells. It further provides the death by means of gene therapy. 12 Claims, 12 Drawing figures Exemplary Claim Number: 1,8,10,12 Number of Drawing Sheets: 12

24. Document ID: US 5922600 A

Entry 24 of 76

File: USPT

Jul 13, 1999

US-PAT-NO: 5922600

DOCUMENT-IDENTIFIER: US 5922600 A

TITLE: Chicken anemia virus mutants and vaccines and uses based on the viral proteins VP1 VP2 and VP3 or sequences of that virus coding therefor

DATE-ISSUED: July 13, 1999

INVENTOR-INFORMATION:

NAME

CITY	STATE	ZIP CODE	COUNTRY
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Noteborn; Matheus Hubertus Maria
Leiden

N/A	N/A
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NLX

Koch; Guus

Lelystad	N/A	N/A
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NLX

US-CL-CURRENT: 435/456; 435/235.1, 435/320.1, 435/325, 435/348, 536/23.1

ABSTRACT:

The coding information for three putative chicken anemia virus proteins (VP1, VP2, VP3) was inserted into a baculovirus vector and expressed in insect cells. The immunogenic properties of the chicken anemia virus (CAV) proteins produced separately or together in insect cell cultures

were analyzed by inoculating them into chickens. Only lysates of insect cells which have synthesized equivalent amounts of all three recombinant CAV proteins or cells which synthesized mainly VP1 plus VP2 induced neutralizing antibodies directed against CAV in inoculated chickens.

Progeny of those chickens were protected against clinical disease after CAV challenge.

Inoculation of a mixture of lysates of cells that were separately infected with VP1-, VP2- and

VP3-recombinant baculovirus did not induce significant levels of neutralizing antibody directed against CAV and their progeny were not protected against CAV challenge. Our results indicate that expression in the same cell of at least two CAV proteins, VP1 plus VP2, is required to obtain sufficient protection in chickens. Therefore, recombinant CAV proteins produced by baculovirus

vectors can be used as a sub-unit vaccine against CAV infections.

5 Claims, 20 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

25. Document ID: US 5892010 A

Entry 25 of 76

File: USPT

Apr 6, 1999

US-PAT-NO: 5892010

DOCUMENT-IDENTIFIER: US 5892010 A

TITLE: Genes from the 20Q13 amplicon and their uses

DATE-ISSUED: April 6, 1999

INVENTOR-INFORMATION:

NAME

CITY	STATE	ZIP CODE	COUNTRY
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Gray; Joe

San Francisco

CA

N/A

N/A

Collins; Colin

San Rafael

CA

N/A

N/A

Hwang; Soo-in

Berkeley

CA

N/A

N/A

Godfrey; Tony

San Francisco

CA

N/A

N/A

Kowbel; David

Oakland

CA

N/A

N/A

Rommens; Johanna

Toronto
N/A
N/A
CAX

US-CL-CURRENT: 536/23.1; 536/24.31

ABSTRACT:

The present invention relates to cDNA sequences from a region of amplification on chromosome 20 associated with disease. The sequences can be used in hybridization methods for the identification of chromosomal abnormalities associated with various diseases. The sequences can also be used for treatment of diseases.

9 Claims, 6 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Number of Drawing Sheets: 15

27. Document ID: US 5874089 A

Entry 27 of 76

File: USPT

Feb 23, 1999

US-PAT-NO: 5874089

DOCUMENT-IDENTIFIER: US 5874089 A

TITLE: Protecting against canine oral papillomavirus (copy)

DATE-ISSUED: February 23, 1999

INVENTOR-INFORMATION:

NAME

CITY	STATE	ZIP CODE	COUNTRY
Schlegel; C. Richard	Rockville	MD	N/A
Jenson; A. Bennett	Rockville	MD	N/A
Ghim; Shin-je	Washington	DC	N/A

26. Document ID: US 5883081 A

Entry 26 of 76

File: USPT

Mar 16, 1999

US-PAT-NO: 5883081

DOCUMENT-IDENTIFIER: US 5883081 A

TITLE: Isolation of novel HIV-2 proviruses

DATE-ISSUED: March 16, 1999

INVENTOR-INFORMATION:

NAME

CITY	STATE	ZIP CODE	COUNTRY
Kraus; Gunter	La Jolla	CA	N/A
Wong-Staal; Flossie	San Diego	CA	N/A
Talbott; Randy	Princeton	NJ	N/A
Poeschla; Eric M.	San Diego	CA	N/A

US-CL-CURRENT: 514/44; 424/160.1, 435/320.1, 435/69.1, 530/388.35, 536/23.1

ABSTRACT:

Novel HIV-2 proviruses, molecular clones, nucleic acids, polypeptides, viruses and viral components are described. The use of these compositions as components of diagnostic assays, as immunological reagents, as vaccines, as components of packaging cells, cell transduction vectors, and as gene therapy vectors is also described.

27 Claims, 25 Drawing figures

Exemplary Claim Number: 1

US-CL-CURRENT: 424/204.1; 424/184.1, 424/186.1, 424/192.1, 424/199.1, 435/235.1, 435/320.1, 435/5, 435/69.1, 435/69.3, 536/23.72

ABSTRACT:

Recombinantly produced L1 major capsid proteins which mimic conformational naturalizing epitopes on human and animal papilloma virions including canine and equine papilloma virions are provided.

These recombinant proteins are useful as vaccines for conferring protection against papillomavirus infection. Antibodies to the recombinant protein are also provided. Such antibodies are useful in the diagnosis and treatment of viral infection. 11 Claims, 15 Drawing figures

Exemplary Claim Number: 1,2

Number of Drawing Sheets: 8

28. Document ID: US 5872237 A

Entry 28 of 76

File: USPT

Feb 16, 1999

US-PAT-NO: 5872237

DOCUMENT-IDENTIFIER: US 5872237 A

TITLE: Megabase transcript map: novel sequences and antibodies thereto

DATE-ISSUED: February 16, 1999

INVENTOR-INFORMATION:

NAME

CITY	STATE
------	-------

NAME	CITY	STATE	ZIP CODE	COUNTRY	NAME	CITY	STATE	ZIP CODE	COUNTRY
			CA	CA				CA	CA
Feder; John Nathan	San Carlos	CA	N/A	N/A	Nemeth; Edward F.	Salt Lake City	UT	N/A	N/A
Kronmal; Gregory Scott	Pacifica	CA	N/A	N/A	Brown; Edward M.	Milton	MA	N/A	N/A
Lauer; Peter M.	San Francisco	CA	N/A	N/A	Hebert; Steven C.	Wellesley	MA	N/A	N/A
Ruddy; David A.	San Francisco	CA	N/A	N/A	Garrett, Jr.; James E.	Salt Lake City	UT	N/A	N/A
Thomas; Winston	San Mateo	CA	N/A	N/A	Van Wagenen; Bradford C.	Salt Lake City	UT	N/A	N/A
Tsuchihashi; Zenta	Menlo Park	CA	N/A	N/A	Balandrin; Manuel F.	Sandy	UT	N/A	N/A
Wolff; Roger K.	Mill Valley	CA	N/A	N/A	Del Mar; Eric G.	Salt Lake City	UT	N/A	N/A

US-CL-CURRENT: 536/23.5

ABSTRACT:

A fine structure map of the 1 megabase region surrounding the candidate HH gene is provided, along with 250 KB of DNA sequence and 8 loci corresponding to candidate genes within the 1 megabase region. These loci are useful as genetic markers for further mapping studies.

Additionally, the eight cDNA sequences corresponding to those loci are useful, for example, for the isolation of other genes in putative gene families, and as probes for diagnostic assays.

Additionally, the proteins encoded by those cDNAs are useful in the generation of antibodies for analysis of gene expression and in diagnostic assays, and in the purification of related proteins.

1 Claims, 339 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 334

29. Document ID: US 5858684 A
Entry 29 of 76

File: USPT

Jan 12, 1999

US-PAT-NO: 5858684
DOCUMENT-IDENTIFIER: US 5858684 A

TITLE: Method of screening calcium receptor-active molecules

DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

US-CL-CURRENT: 435/7.2; 435/252.3, 435/320.1, 435/325, 435/69.1, 435/7.1, 530/300, 530/324, 530/350, 536/23.1, 536/23.5

ABSTRACT:

The present invention relates to the different roles inorganic ion receptors have in cellular and body processes. The present invention features: (1) molecules which can modulate one or more inorganic ion receptor activities, preferably the molecule can mimic or block an effect of an extracellular ion on a cell having an inorganic ion receptor, more preferably the extracellular ion is Ca.sup.2+ and the effect is on a cell having a calcium receptor; (2) inorganic ion receptor proteins and fragments thereof, preferably calcium receptor proteins and fragments thereof; (3) nucleic acids encoding inorganic ion receptor proteins and fragments thereof, preferably calcium receptor proteins and fragments thereof; (4) antibodies and fragments thereof, targeted to inorganic ion receptor proteins, preferably calcium receptor protein; and (5) uses of such molecules, proteins, nucleic acids and antibodies.

48 Claims, 111 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 85

30. Document ID: US 5858726 A
Entry 30 of 76

File: USPT

Jan 12, 1999

US-PAT-NO: 5858726
DOCUMENT-IDENTIFIER: US 5858726 A

TITLE: Self-assembling replication defective hybrid virus particles

DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

NAME

CITY	STATE	ZIP CODE	COUNTRY
Payne; Lendon	Arlington	MA	N/A
		N/A	N/A

US-CL-CURRENT: 435/69.7; 424/199.1, 435/456, 435/457

ABSTRACT:

The invention pertains to self-assembled replication defective hybrid virus-like particles having capsid and membrane glycoproteins from at least two different virus types and method of making same. Recombinant viral vectors as well as the viral particles can be used as immunogens and drug delivery vehicles.
7 Claims, 3 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

31. Document ID: US 5856125 A

Entry 31 of 76

File: USPT

Jan 5, 1999

US-PAT-NO: 5856125

DOCUMENT-IDENTIFIER: US 5856125 A

TITLE: ETS2 repressor factor (ERF) genetic locus and its products

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

NAME

CITY	STATE	ZIP CODE	COUNTRY
Mavrothalassitis; George J.	Frederick	MD	N/A
			N/A
Blair; Donald G.	Kensington	MD	N/A
			N/A
Fisher; Robert J.	Sharpsburg	MD	N/A
			N/A
Beal, Jr.; Gregory J.	New Market	MD	N/A
			N/A
Athanasiou; Meropi A.	Frederick		

MD
N/A
N/A

Sgouras; Dionyssios N.

Athens
N/A
N/A

GRX

US-CL-CURRENT: 435/69.1; 530/350, 530/387.1, 536/23.5, 536/24.31

ABSTRACT:

The present invention relates, inter alia, to the ERF gene and to the products encoded by this gene. More particularly, the present invention relates to DNA sequences encoding ERF and AERF; polypeptides encoded by such DNA sequences; ERF chimeric molecules; and methods of using ERF and ERF chimeric molecules to reduce tumorigenicity in a tumor cell. 12 Claims, 33 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 16

32. Document ID: US 5856137 A

Entry 32 of 76

File: USPT

Jan 5, 1999

US-PAT-NO: 5856137

DOCUMENT-IDENTIFIER: US 5856137 A

TITLE: Nucleic acids encoding and recombinant production of the .beta. subunit of lutenizing hormone

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

NAME

CITY	STATE	ZIP CODE	COUNTRY
Reddy; Venmuri B.	Westboro	MA	N/A
			N/A
Hsiung; Nancy	Wellesley	MA	N/A
			N/A

Beck; Anton K.	Pfeffingen	N/A	N/A
			N/A

Berstine; Edward George	Boston	MA	N/A
			N/A

			CHX
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US-CL-CURRENT: 435/69.4; 435/252.3, 435/325, 435/360, 536/23.51

ABSTRACT:

Biologically active heterodimeric human fertility hormones composed of two different subunits, each subunit being synthesized in the same cell transformed by at least one cell expression

vector having heterologous DNA encoding each subunit with each subunit being controlled by a separate promoter. Preferred human fertility hormones include hCG, hLH and hFSH.

4 Claims, 14 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 13

33. Document ID: US 5851829 A
Entry 33 of 76

File: USPT
Dec 22, 1998

US-PAT-NO: 5851829
DOCUMENT-IDENTIFIER: US 5851829 A

TITLE: Method of intracellular binding of target molecules

DATE-ISSUED: December 22, 1998

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Marasco, Wayne A.	Wellesley	MA	N/A	N/A
Haseltine, William A.	Rockville	MD	N/A	N/A

US-CL-CURRENT: 435/328, 424/577, 424/578, 435/325, 435/326, 435/330, 435/333, 435/339, 435/339.1, 435/366, 435/372, 435/419

ABSTRACT:

The present invention relates to a method by which one can target an undesired target molecule or target antigen, preferably a protein. The method comprises the intracellular expression of an antibody capable of binding to the target. A DNA sequence is delivered to a cell, the DNA sequence contains a sufficient number of nucleotides coding for the portion of an antibody capable of binding to the target operably linked to a promoter that will permit expression of the antibody in the cell(s) of interest. The antibody is then expressed intracellularly and binds to the target, thereby disrupting the target from its normal actions. 62 Claims, 34 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 19

34. Document ID: US 5849478 A
Entry 34 of 76

File: USPT
Dec 15, 1998

US-PAT-NO: 5849478
DOCUMENT-IDENTIFIER: US 5849478 A

TITLE: Blocked-polymerase polynucleotide immunoassay method and kit
DATE-ISSUED: December 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cashman, Daniel P.	El Dorado Hills	CA	95762	N/A

US-CL-CURRENT: 435/6, 435/7.1, 435/810, 435/91.1, 435/91.2, 436/501, 536/22.1, 536/23.1, 536/24.1, 536/24.3, 536/24.31, 536/24.32, 536/24.33

ABSTRACT:

An immunoassay method for detecting an analyte in a liquid sample is disclosed. The method includes first contacting the sample with a polynucleotide assay reagent composed of an analyte and an attached polynucleotide containing an initiation region adjacent the site of attachment to the analyte. The sample is reacted with a polymerase and nucleotide triphosphates, to determine the amount of immunocomplex formed between the analyte and the analyte under conditions effective to copy the polynucleotide only if its initiation region is not blocked. The assay mixture is then assayed for the presence of phosphate or pyrophosphate. An immunoassay kit for detecting an analyte in a liquid sample is also disclosed. 10 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4

35. Document ID: US 5840687 A

Entry 35 of 76

File: USPT
Nov 24, 1998

US-PAT-NO: 5840687
DOCUMENT-IDENTIFIER: US 5840687 A

TITLE: Modified ligands for receptor tyrosine kinases

DATE-ISSUED: November 24, 1998

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Harkins, Richard N.	Alameda	CA	N/A	N/A
Seto, Marian	South San Francisco	CA	N/A	N/A
Katz, Bradley A.	San Francisco	CA	N/A	N/A

US-CL-CURRENT: 514/12; 435/244, 530/323, 530/324, 930/120

ABSTRACT:

The invention provides for synthetic ligands that bind to class I receptor tyrosine kinases. The ligands are analogous in structure to naturally occurring ligands. The modified ligands however, have eliminated the mid-sequence (B) domain present in the native ligands and replaced it with a peptide bridge which links the amino (A) and carboxy (C) domains.
 25 Claims, 5 Drawing figures
 Exemplary Claim Number: 1
 Number of Drawing Sheets: 5

File: USPT

Oct 6, 1998

36. Document ID: US 5827705 A

Entry 36 of 76

File: USPT

Oct 27, 1998

US-PAT-NO: 5827705
 DOCUMENT-IDENTIFIER: US 5827705 A

TITLE: Molecule and method for importing DNA into a nucleus

DATE-ISSUED: October 27, 1998

INVENTOR-INFORMATION:**NAME**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dean; David A.	Mobile	AL	N/A	N/A

US-CL-CURRENT: 435/458; 435/252.3, 435/254.2, 435/320.1, 435/325, 435/348, 435/419, 435/459, 435/461, 435/463, 435/465, 435/468, 536/23.1, 536/24.1

ABSTRACT:

The invention provides a nuclear targeting molecule having a nucleic acid sequence which consists of SEQ ID NO:1 or a nuclear targeting portion of SEQ ID NO:1. The invention further provides a plasmid for targeting a DNA molecule into the nucleus of a host cell. The plasmid comprises the nuclear targeting molecule (having SEQ ID NO:1 or a nuclear targeting portion of SEQ ID NO:1) and a DNA molecule to be targeted to a nucleus. This plasmid of the subject invention can be introduced into various host cells, and the nuclear targeting molecule will target the DNA molecule to the nucleus of the host cell. Thus, the invention further provides a method of targeting a DNA molecule into the nucleus of a host cell. The method comprises providing a plasmid (the plasmid comprising the nuclear targeting molecule and the DNA molecule to be targeted) and introducing the plasmid into the cytoplasm of the host cell. In this method, the nuclear targeting molecule targets the DNA molecule into the nucleus of the host cell.

32 Claims, 11 Drawing figures
 Exemplary Claim Number: 30
 Number of Drawing Sheets: 8

37. Document ID: US 5817512 A

Entry 37 of 76

US-PAT-NO: 5817512
 DOCUMENT-IDENTIFIER: US 5817512 A

TITLE: Encapsidated recombinant viral nucleic acid and methods of making and using same

DATE-ISSUED: October 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morrow; Casey D.	Birmingham	AL	N/A	N/A
Porter; Donna C.	Birmingham	AL	N/A	N/A
Ansardi; David C.	Warrior	AL	N/A	N/A

US-CL-CURRENT: 435/320.1; 424/199.1, 424/217.1, 435/456, 435/465, 435/69.3

ABSTRACT:

The present invention pertains to a method of encapsidating a recombinant poliovirus nucleic acid to obtain a yield of encapsidated viruses which substantially comprises encapsidated recombinant poliovirus nucleic acid. The method of encapsidating a recombinant poliovirus nucleic acid includes contacting a host cell with a recombinant poliovirus nucleic acid which lacks the nucleotide sequence encoding at least a portion of a protein necessary for encapsidation and an expression vector comprising a nucleic acid which encodes at least a portion of one protein necessary for encapsidation under conditions appropriate for introduction of the recombinant poliovirus nucleic acid and the expression vector into the host cell and obtaining a yield of encapsidated viruses which substantially comprises an encapsidated recombinant poliovirus nucleic acid. A foreign nucleotide sequence is generally substituted for the nucleotide sequence of the poliovirus nucleic acid encoding at least a portion of a protein necessary for encapsidation. The invention further pertains to encapsidated recombinant poliovirus nucleic acids produced by the method of this invention and compositions containing the encapsidated or nonencapsidated recombinant poliovirus nucleic acid containing a foreign nucleotide sequence for use in a method of stimulating an immune response in a subject to the protein encoded by the foreign nucleotide sequence.

37 Claims, 57 Drawing figures
 Exemplary Claim Number: 1
 Number of Drawing Sheets: 21

38. Document ID: US 5811297 A

Entry 38 of 76

File: USPT

Sep 22, 1998

N/A

US-PAT-NO: 5811297

DOCUMENT-IDENTIFIER: US 5811297 A

TITLE: Immortalized hematopoietic cell lines, cell system thereof with stromal cells, in vitro, ex vivo and in vivo uses, & in vitro generation of dendritic cells and macrophages

DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gopal; T. Venkat	Gaithersburg	MD	N/A	N/A

US-CL-CURRENT: 435/320.1; 435/325

ABSTRACT:

Extended life hematopoietic cell lines include stromal cell lines useful for the in vitro maintenance of undifferentiated pluripotent hematopoietic stem cells. Undifferentiated and differentiated immortalized stem cells are suitable for bone marrow transplantation, gene therapy and cell therapy applications, and as an in vitro model system for drug discovery and toxicological testing.
12 Claims, 0 Drawing figures
Exemplary Claim Number: 1

US-CL-CURRENT: 514/12; 514/13, 514/14, 514/15, 514/16, 514/17, 514/18, 514/19

ABSTRACT:

The present invention relates, in general, to methods for reducing cell tumorigenicity. More particularly, the present invention provides a method for reducing cell tumorigenicity comprising transfecting a tumor cell with an ETS1 gene, the tumor cell not endogenously expressing the ETS1 gene. In addition, the present invention provides a method for reducing cell tumorigenicity comprising contacting a tumor cell with a peptide expressed by an ETS1 gene, the tumor cell not endogenously expressing the ETS1 gene. The methods of the present invention are particularly useful for reducing tumorigenicity in epithelial tumor cells.
6 Claims, 0 Drawing figures
Exemplary Claim Number: 1

40. Document ID: US 5767251 A

Entry 40 of 76

File: USPT

Jun 16, 1998

US-PAT-NO: 5767251
DOCUMENT-IDENTIFIER: US 5767251 A

TITLE: Recombinant heterodimeric human fertility hormones, and methods, cells, and vectors and DNA for the production thereof

DATE-ISSUED: June 16, 1998

INVENTOR-INFORMATION:
NAME

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reddy; Vermuri B.	Westboro	MA	N/A	N/A
Hsiung; Nancy	Wellesley	MA	N/A	N/A
Beck; Anton K.	Grisbeladierbeg	N/A	N/A	CHX
Bernstine; Edward George	Boston	MA	N/A	N/A
Bhat; Narayan K.	North Potomac	MD	N/A	N/A
Papas; Takis S.	Charleston	SC	N/A	N/A

US-CL-CURRENT: 530/397; 424/198.1, 435/69.4

ABSTRACT:

Biologically active heterodimeric human fertility hormones composed of two different subunits, each subunit being synthesized in the same cell transformed by at least one cell expression vector having heterologous DNA encoding each subunit with each subunit

39. Document ID: US 5795866 A

Entry 39 of 76

File: USPT

Aug 18, 1998

US-PAT-NO: 5795866

DOCUMENT-IDENTIFIER: US 5795866 A

TITLE: ETS1 gene: a human tumor suppressor gene

DATE-ISSUED: August 18, 1998

INVENTOR-INFORMATION:

NAME

NAME	CITY	STATE	ZIP CODE	COUNTRY
Suzuki; Hiroaki	Sapporo	N/A	N/A	JPX
Bhat; Narayan K.	North Potomac	MD	N/A	N/A
Papas; Takis S.	Charleston	SC	N/A	N/A

being controlled by a separate promoter. Preferred human fertility hormones include hCG, hLH and hFSH.
 4 Claims, 14 Drawing figures
 Exemplary Claim Number: 1
 Number of Drawing Sheets: 13

41. Document ID: US 5759809 A
 Entry 41 of 76

File: USPTO
 Jun 2, 1998

US-PAT-NO: 5759809
 DOCUMENT-IDENTIFIER: US 5759809 A

TITLE: Methods of expressing proteins in insect cells and methods of killing insects

DATE-ISSUED: June 2, 1998

INVENTOR-INFORMATION:
 NAME

	CITY	STATE	ZIP CODE	COUNTRY
Iatrou; Kostas	Calgary	N/A	N/A	CAX

US-CL-CURRENT: 435/69.1

ABSTRACT:

Described herein is a method of expressing heterologous proteins in insect cells using an expression cassette comprising a structural gene for a heterologous protein physically attached to an insect cellular promoter and an enhancer. The cells may also express the IE-1 product. Also described herein is a method of killing insects comprising infecting the insects with a recombinant baculovirus comprising a structural gene for an incompatible protein functionally linked to an insect cellular promoter and an enhancer. The invention is also directed towards expression cassettes comprising an insect cellular promoter functionally linked to an enhancer wherein the promoter is capable of directing the expression of a heterologous protein in tissues containing the expression cassette, recombinant expression cassettes containing heterologous proteins, transplacement fragments, vectors and recombinant baculoviruses. 18 Claims, 32 Drawing figures
 Exemplary Claim Number: 1
 Number of Drawing Sheets: 13

42. Document ID: US 5744594 A
 Entry 42 of 76

File: USPTO
 Apr 28, 1998

US-PAT-NO: 5744594
 DOCUMENT-IDENTIFIER: US 5744594 A

TITLE: DNA encoding ATP-sensitive potassium channel genes

DATE-ISSUED: April 28, 1998

INVENTOR-INFORMATION:
 NAME

	CITY	STATE	ZIP CODE	COUNTRY
Adelman; John P.	Portland	OR	N/A	N/A
Ashford; Michael J.	Portland	OR	N/A	N/A
Bond; Chris T.	Portland	OR	N/A	N/A

US-CL-CURRENT: 536/23.2; 536/23.5

ABSTRACT:

This invention relates to DNA and protein compositions useful in the diagnosis and treatment of diabetes, heart disease and skeletal muscle disease. More specifically, this invention relates to DNA and protein compositions for ATP-sensitive potassium channel proteins, and methods of using these compositions. 9 Claims, 0 Drawing figures
 Exemplary Claim Number: 1

43. Document ID: US 5688938 A
 Entry 43 of 76

File: USPTO
 Nov 18, 1997

US-PAT-NO: 5688938
 DOCUMENT-IDENTIFIER: US 5688938 A

TITLE: Calcium receptor-active molecules

DATE-ISSUED: November 18, 1997

INVENTOR-INFORMATION:
 NAME

	CITY	STATE	ZIP CODE	COUNTRY
Brown; Edward M.	Milton	MA	N/A	N/A
Fuller; Forrest H.	Salt Lake City	UT	N/A	N/A
Hebert; Steven C.	Wellesley	MA	N/A	N/A
Garrett, Jr.; James E.	Salt Lake City	UT	N/A	N/A

US-CL-CURRENT: 536/23.5; 435/252.3, 435/320.1, 435/69.1, 435/7.1,
530/300, 530/324, 530/326,
530/350, 536/23.1, 536/24.31

ABSTRACT:

The present invention relates to the different roles inorganic ion receptors have in cellular and body processes. The present invention features: (1) molecules which can modulate one or more inorganic ion receptor activities, preferably the molecule can mimic or block an effect of an extracellular ion on a cell having an inorganic ion receptor, more preferably the extracellular ion is Ca.sup.2+ and the effect is on a cell having a calcium receptor; (2) inorganic receptor proteins and fragments thereof, preferably calcium receptor proteins and fragments thereof; (3) nucleic acids encoding inorganic ion receptor proteins and fragments thereof, preferably calcium receptor proteins and fragments thereof; (4) antibodies and fragments thereof, targeted to inorganic ion receptor proteins, preferably calcium receptor protein; and (5) uses of such molecules, proteins, nucleic acids and antibodies.

24 Claims, 111 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 84

44. Document ID: US 5670347 A

Entry 44 of 76

File: USPT

Sep 23, 1997

US-PAT-NO: 5670347

DOCUMENT-IDENTIFIER: US 5670347 A

TITLE: Peptide-mediated gene transfer

DATE-ISSUED: September 23, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Gopal; T. Venkat

North Potomac

MD

N/A

N/A

US-CL-CURRENT: 435/467; 435/320.1

ABSTRACT:

A methodology that allows for highly efficient transfer and stable integration of DNA into both established eukaryotic cell lines and primary cells, including non-dividing cells such as human peripheral blood monocytes and macrophages, entails the use of a synthetic polypeptide comprised of a peptide domain which corresponds to a nuclear localization signal sequence and a DNA binding domain which is rich in basic amino acids, separated by a hinge region of neutral amino acid which prevents stearic interference between the two domains.

14 Claims, 0 Drawing figures

Exemplary Claim Number: 1

45. Document ID: US 5652223 A

Entry 45 of 76

File: USPT

Jul 29, 1997

US-PAT-NO: 5652223

DOCUMENT-IDENTIFIER: US 5652223 A

TITLE: DNA encoding CAI resistance proteins and uses thereof

DATE-ISSUED: July 29, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Kohn; Elise C.

Olney

MD

N/A

N/A

Liotta; Lance A.

Potomac

MD

N/A

N/A

Kim; Young Sook

Bethesda

MD

N/A

N/A

US-CL-CURRENT: 514/44; 435/320.1, 435/91.1, 435/91.5, 536/23.1,
536/23.2, 536/23.5

ABSTRACT:

This invention provides for nucleotide sequences that encode CAIR proteins correlated with cellular resistance to carboxyamido-triazole (CAI) and functionally equivalent compounds. The invention further provides for methods of detecting CAI resistance in biological samples and for cell lines that grow and proliferate in the presence of CAI and functionally equivalent compounds.

5 Claims, 1 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

46. Document ID: US 5639640 A

Entry 46 of 76

File: USPT

Jun 17, 1997

US-PAT-NO: 5639640

DOCUMENT-IDENTIFIER: US 5639640 A

TITLE: DNA encoding the beta subunit of human follide stimulating hormone and expression vectors and cells containing same

DATE-ISSUED: June 17, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Reddy; Vermuri B.

Westboro

Hsiung; Nancy	Wellesley	MA	N/A	N/A	N/A	N/A
Beck; Anton K.	Pfeffingen	MA	N/A	N/A	US-CL-CURRENT: 435/69.4; 435/320.1, 435/325, 435/354, 435/363, 435/365.1	N/A
Bernstine; Edward George	Boston	N/A	N/A	CHX	ABSTRACT:	
		MA	N/A	N/A	Biologically active heterodimeric human fertility hormones composed of two different subunits, each subunit being synthesized in the same cell transformed by at least one cell expression vector having heterologous DNA encoding each subunit being controlled by a separate promoter. Preferred human fertility hormones include hCG, hLH and hFSH.	
					26 Claims, 13 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 13	
US-CL-CURRENT: 435/325; 435/252.3, 435/320.1, 435/354, 435/363, 536/23.51						
ABSTRACT:						
The correct sequence is disclosed for the beta subunit of human follicle stimulating hormone which, when present in a recombinant heterodimeric human fertility hormone allows the production of biologically active hormone. DNA coding for such beta subunit of human FSH may thus be prepared as well as expression vectors containing such DNA and cells transfected therewith.						
6 Claims, 13 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 13						
47. Document ID: US 5639639 A	Entry 47 of 76	File: USPT	Jun 17, 1997	48. Document ID: US 5629192 A	Entry 48 of 76	File: USPT
US-PAT-NO: 5639639 DOCUMENT-IDENTIFIER: US 5639639 A						
TITLE: Recombinant heterodimeric human fertility hormones, and methods, cells, vectors and DNA for the production thereof						
DATE-ISSUED: June 17, 1997						
INVENTOR-INFORMATION:						
NAME						
	CITY	STATE	ZIP CODE	COUNTRY		
Reddy; Vermuri B.	Westboro	MA	N/A	N/A	N/A	JPX
Hsiung; Nancy	Wellesley	MA	N/A	N/A	MD	N/A
Beck; Anton K.	Pfeffingen	N/A	N/A	CHX	Papas; Takis S.	Charleston
Bernstine; Edward George	Boston	MA			SC	N/A

US-CL-CURRENT: 435/6; 435/458, 514/44, 536/23.5

ABSTRACT:

The present invention relates, in general, to methods for reducing cell tumorigenicity. More particularly, the present invention provides a method for reducing cell tumorigenicity comprising transfecting a tumor cell with an ETS1 gene, the tumor cell not endogenously expressing the ETS1 gene. In addition, the present invention provides a method for reducing cell tumorigenicity comprising contacting a tumor cell with a peptide expressed by an ETS1 gene, the tumor cell not endogenously expressing the ETS1 gene. The methods of the present invention are particularly useful for reducing tumorigenicity in epithelial tumor cells.

6 Claims, 0 Drawing figures
Exemplary Claim Number: 1

49. Document ID: US 5622930 A
Entry 49 of 76

File: USPT

Apr 22, 1997

US-PAT-NO: 5622930
DOCUMENT-IDENTIFIER: US 5622930 A

TITLE: C1 inhibitor muteins and uses thereof

DATE-ISSUED: April 22, 1997

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Eldering; Eric	Amsterdam	N/A	N/A	NLX
Aarden; Lucien	Amsterdam	N/A	N/A	NLX

US-CL-CURRENT: 514/12; 530/380, 530/395

ABSTRACT:

Compositions consisting of C1 inhibitor muteins having biological activity similar to C1 inhibitor, but with enhanced resistance to proteolytic cleavage thus rendering such muteins suitable as anti inflammatory agents, preferably for the treatment or prevention of sepsis.
25 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

ABSTRACT:

The present invention pertains to a method of encapsidating a recombinant poliovirus nucleic acid to obtain a yield of encapsidated viruses which substantially comprises encapsidated recombinant poliovirus nucleic acid. The method of encapsidating a recombinant poliovirus nucleic acid includes contacting a host cell with a recombinant poliovirus nucleic acid which lacks the nucleotide sequence encoding at least a portion of a protein necessary for encapsidation and an expression vector comprising a nucleic acid which encodes at least a portion of one protein necessary for encapsidation under conditions appropriate for introduction of the recombinant poliovirus nucleic acid and the expression vector into the host cell and obtaining a yield of encapsidated viruses which substantially comprises an encapsidated recombinant poliovirus nucleic acid. A foreign nucleotide sequence is generally substituted for the nucleotide sequence of the poliovirus nucleic acid encoding at least a portion of a protein necessary for encapsidation. The invention further pertains to encapsidated recombinant poliovirus nucleic acids produced by the method of this invention and compositions containing the encapsidated recombinant poliovirus nucleic acid containing a foreign nucleotide sequence for use in a method of stimulating an immune response in a subject to the protein encoded by the foreign nucleotide sequence.
28 Claims, 36 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 11

50. Document ID: US 5622705 A
Entry 50 of 76

File: USPT

Apr 22, 1997

US-PAT-NO: 5622705
DOCUMENT-IDENTIFIER: US 5622705 A

TITLE: Encapsidated recombinant poliovirus nucleic acid and methods of making and using same

DATE-ISSUED: April 22, 1997

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Morrow; Casey D.	Birmingham	AL	N/A	N/A

US-CL-CURRENT: 424/199.1, 424/208.1, 424/217.1, 435/320.1, 435/69.3, 514/44

51. Document ID: US 5614413 A
Entry 51 of 76

File: USPT

Mar 25, 1997

US-PAT-NO: 5614413
DOCUMENT-IDENTIFIER: US 5614413 A

TITLE: Encapsidated recombinant poliovirus nucleic acid and methods of making and using same

DATE-ISSUED: March 25, 1997

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Morrow; Casey D.	Birmingham	AL	N/A	N/A

US-CL-CURRENT: 435/457; 435/235.1, 435/69.3

ABSTRACT:

The present invention pertains to a method of encapsidating a recombinant poliovirus nucleic acid to obtain a yield of encapsidated viruses which substantially comprises encapsidated recombinant poliovirus nucleic acid. The method of encapsidating a recombinant poliovirus nucleic acid includes contacting a host cell with a recombinant poliovirus nucleic acid which lacks the nucleotide sequence encoding at least a portion of a protein necessary for

encapsulation and an expression vector comprising a nucleic acid which encodes at least a portion of one protein necessary for encapsidation under conditions appropriate for introduction of the recombinant poliovirus nucleic acid and the expression vector into the host cell and obtaining a yield of encapsidated viruses which substantially comprises an encapsidated recombinant poliovirus nucleic acid. A foreign nucleotide sequence is generally substituted for the nucleotide sequence of the poliovirus nucleic acid encoding at least a portion of a protein necessary for encapsidation. The invention further pertains to encapsidated recombinant poliovirus nucleic acids produced by the method of this invention and compositions containing the encapsidated recombinant poliovirus nucleic acid containing a foreign nucleotide sequence for use in a method of stimulating an immune response in a subject to the protein encoded by the foreign nucleotide sequence. 64 Claims, 36 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 11

52. Document ID: US 5585462 A
Entry 52 of 76

File: USPT

Dec 17, 1996

US-PAT-NO: 5585462
DOCUMENT-IDENTIFIER: US 5585462 A

TITLE: Cloning of perilipin proteins

DATE-ISSUED: December 17, 1996

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Londos; Constantine	Garrett Park	MD	N/A	N/A
Greenberg; Andrew S.	Newton Centre	MA	N/A	N/A
Kimmel; Alan R.	Ashton	MD	N/A	N/A
Egan; John J.	Mountain Lakes	NJ	N/A	N/A

US-CL-CURRENT: 530/350; 530/359, 536/23.1, 536/23.5, 930/10

ABSTRACT:

The present invention provides isolated nucleic acid sequences, i.e., polynucleotides, which encode a family of perilipin proteins. The present invention also provides isolated, substantially purified perilipin proteins which are useful as markers for differentiating true

adipocytes from non-adipocyte cells which, as a result of pathophysiological conditions, assume adipocyte characteristics and become lipid-laden. The present invention further provides methods for producing a substantially purified perilipin protein and methods for detecting the presence of such perilipin proteins in a biological samples. 5 Claims, 12 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 12

53. Document ID: US 5534405 A
Entry 53 of 76

File: USPT

Jul 9, 1996

US-PAT-NO: 5534405
DOCUMENT-IDENTIFIER: US 5534405 A

TITLE: Antibodies, diagnostic systems and methods for assaying HBxAg

DATE-ISSUED: July 9, 1996

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Moriarty; Ann M.	Poway	CA	N/A	N/A
Alexander; Hannah	Columbia	MO	N/A	N/A
Lerner; Richard A.	La Jolla	CA	N/A	N/A

US-CL-CURRENT: 435/5; 436/512, 436/518, 436/820, 530/389.4

ABSTRACT:

Cloning and expression vectors for hepatitis B HBxAg, cell cultures containing those vectors, polypeptides related to HBxAg, and diagnostic systems and methods for assaying for the presence of HBxAg and anti-HBxAg antibodies in a body sample are disclosed. 16 Claims, 10 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 9

54. Document ID: US 5460942 A
Entry 54 of 76

File: USPT

Oct 24, 1995

US-PAT-NO: 5460942
DOCUMENT-IDENTIFIER: US 5460942 A

TITLE: The catalytic moiety of the glucose-6-phosphatase system: the gene and protein and related mutations

DATE-ISSUED: October 24, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chou; Janice Y.	Potomac	MD	N/A	N/A
Lei; Ke-Jian	Bethesda	MD	N/A	N/A
Shelly; Leslie L.	Rockville	MD	N/A	N/A

US-CL-CURRENT: 435/6; 435/196, 435/252.3, 435/320.1, 435/810, 536/23.2, 536/24.3, 536/24.31

ABSTRACT:

This invention relates to nucleic acid sequences and methods useful for producing recombinant glucose-6-phosphate (G-6-Pase). In addition, the invention relates to specific mutations in the gene encoding human G-6-Pase and methods for detecting the mutations and thus diagnosing the genetic disease that causes glycogen storage disease type 1A. 19 Claims, 3 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

55. Document ID: US 5445956 A

Entry 55 of 76

File: USPT

Aug 29, 1995

US-PAT-NO: 5445956

DOCUMENT-IDENTIFIER: US 5445956 A

TITLE: Recombinant soluble epoxide hydrolase

DATE-ISSUED: August 29, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hammock; Bruce D.	Davis	CA	N/A	N/A
Grant; David F.	Davis	CA	N/A	N/A
Beetham; Jeffrey K.	Davis	CA	N/A	N/A

US-CL-CURRENT: 435/195; 435/252.33, 435/255.1, 435/320.1, 536/23.2

ABSTRACT:

The present invention relates to nucleic acid sequences and methods useful for producing recombinant human soluble epoxide hydrolase (sEH). 22 Claims, 0 Drawing figures
Exemplary Claim Number: 1

56. Document ID: US 5420026 A

Entry 56 of 76

File: USPT

May 30, 1995

US-PAT-NO: 5420026

DOCUMENT-IDENTIFIER: US 5420026 A

TITLE: Self-assembling replication defective hybrid virus particles

DATE-ISSUED: May 30, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Payne; Lendon	Arlington	MA	N/A	N/A

US-CL-CURRENT: 435/235.1; 424/202.1, 424/208.1, 424/229.1, 435/236, 435/320.1, 435/364, 930/221, 930/224

ABSTRACT:

The invention pertains to self-assembled replication defective hybrid virus-like particles having capsid and membrane glycoproteins from at least two different virus types and method of making same. Recombinant viral vectors as well as the viral particles can be used as immunogens and drug delivery vehicles. 37 Claims, 3 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

57. Document ID: US 5324513 A

Entry 57 of 76

File: USPT

Jun 28, 1994

US-PAT-NO: 5324513

DOCUMENT-IDENTIFIER: US 5324513 A

TITLE: Composition useful for the fabrication of vaccines

DATE-ISSUED: June 28, 1994

INVENTOR-INFORMATION:
NAME

CITY	STATE	ZIP CODE	COUNTRY
Sobczak; Eliane	Paris	N/A	N/A

Malpiece, deceased; Yves late of Amiens		FRX	Pittsburgh	PA	N/A
	N/A				N/A
	N/A	FRX	Nantulya; Vinand M. Mbale	N/A	N/A
Michel; Marie-Louise Paris				N/A	UGX
	N/A				
	N/A	FRX			
Tiollais; Pierre Paris			US-CL-CURRENT: 424/191.1, 424/266.1, 424/269.1, 435/69.3, 530/350, 530/395, 530/806, 536/23.7, 930/210		
	N/A				
	N/A	FRX	ABSTRACT:		
Streck; Rolf E. Paris			This invention relates to the development of a vaccine against <i>Theileria</i> <i>parva</i> , which is a protozoan parasite infecting cattle in Africa. The invention specifically relates to the use of the 67 kDa glycoprotein from the surface of the <i>T. parva</i> sporozoite as an immunogen for inducing immunoprotection against <i>T. parva</i> in bovine species. This 67 kDa antigen is produced using recombinant genetics. Plasmids containing nucleic acid segments encoding the antigen, host cells containing the nucleic acid segments and recombinant methods for producing the antigen are part of this invention.		
	N/A		14 Claims, 6 Drawing figures		
	N/A	FRX	Exemplary Claim Number: 1		

US-CL-CURRENT: 424/227.1

ABSTRACT:

The invention concerns a composition useful for the manufacture of vaccines containing particles having the immunogenic properties characteristic of the antigen HBsAg, these particles being more particularly characterized by the fact that the said particles equally contain a receptor for polymerized human albumin. They are obtained by transformation of human or animal cells by a vector containing a DNA sequence coding for the S and pre-S regions of a genome of viral hepatitis B, this DNA sequence being placed under the direct control of a promoter permitting the effective transcription of the said sequence in the human or animal cells transformable by the said vector.

12 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

59. Document ID: US 5198536 A

Entry 59 of 76

File: USPT

Mar 30, 1993

US-PAT-NO: 5198536

DOCUMENT-IDENTIFIER: US 5198536 A

TITLE: Peptides comprising an immunogenic site of poliovirus and DNAs containing nucleotide sequences coding for these peptides

DATE-ISSUED: March 30, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Girard; Marc	Paris	N/A	N/A	FRX

NAME	CITY	STATE	ZIP CODE	COUNTRY
Van Der Werf; Sylvie	Paris	N/A	N/A	FRX

NAME	CITY	STATE	ZIP CODE	COUNTRY

58. Document ID: US 5273744 A

Entry 58 of 76

File: USPT

Dec 28, 1993

US-PAT-NO: 5273744

DOCUMENT-IDENTIFIER: US 5273744 A

TITLE: Vaccines for the protection of animals against theileria infection

DATE-ISSUED: December 28, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Musoke; Anthony J.	Kampala	N/A	N/A	FRX

NAME	CITY	STATE	ZIP CODE	COUNTRY

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nene; Vish	Cambridge	N/A	N/A	FRX

NAME	CITY	STATE	ZIP CODE	COUNTRY
Iams; Keith				

US-CL-CURRENT: 530/405; 424/186.1, 424/196.11, 424/217.1,
435/320.1, 530/324, 530/325, 530/326,
530/327, 530/350, 530/387.9, 530/388.3, 530/403, 530/404, 930/220

ABSTRACT:

The invention relates to a DNA fragment containing at the most 315 pairs of nucleotides coding for a peptide which can be recognized by antibodies acting both against the

"C" and "D" particles of the same poliovirus and against the VP-1 structural polypeptide of the capsid of this poliovirus. This peptide contains in particular the following sequence:

Asp Asn Pro Ala Ser thr Thr Asn Lys Asp Lys Leu.
2 Claims, 10 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 12

Brownlee; George G.	Oxford	GB2
	N/A	
	N/A	
Jones; Ian M.	Oxford	GB2
	N/A	
	N/A	
		GB2

60. Document ID: US 5183734 A
Entry 60 of 76

File: USPT
Feb 2, 1993

US-PAT-NO: 5183734
DOCUMENT-IDENTIFIER: US 5183734 A

TITLE: Antibodies, diagnostic systems and methods for assaying SV40 HBxAg

DATE-ISSUED: February 2, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moriarty; Ann M.	San Diego	CA	N/A	N/A

US-CL-CURRENT: 435/5; 435/975, 436/512, 436/820, 530/389.4

ABSTRACT:

Antibodies that immunoreact with the hepatitis B virus HBxAg antigen and with HBxAg polypeptides, as well as diagnostic system and methods for assaying for the presence of HBxAg and anti-HBxAg antibodies in a body sample are disclosed.

10 Claims, 10 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 8

US-CL-CURRENT: 424/94.64; 435/219, 514/8, 530/381, 530/384

ABSTRACT:

The blood-clotting protein, factor IX, is synthesized in the body in liver cells, where it undergoes three distinct types of post-translational modification before it is secreted into the bloodstream as a 415 amino acid long protein. It is therefore a difficult protein to produce by recombinant DNA technology in a highly biologically active form. Nevertheless, such a result has

been achieved by the present invention in which typically factor IX cDNA in a plasmid is linearized and inserted into an expression vector having a promoter sequence of SV40 early gene, an SV40 polyadenylation sequence, the TK/NEO selectable marker and an ampicillin resistance gene.

Mammalian cells such as from a dog kidney or rat liver are transfected by the calcium phosphate precipitation method. High levels of factor IX in a fully or near-fully biologically active form, useful as a plasma-free preparation for treatment of patients suffering from Christmas Disease (haemophilia B), are obtainable without recourse to poxvirus vectors which would contaminate the protein.

4 Claims, 6 Drawing figures
Exemplary Claim Number: 3
Number of Drawing Sheets: 5

62. Document ID: US 5118627 A

Entry 62 of 76

File: USPT
Jun 2, 1992

US-PAT-NO: 5118627
DOCUMENT-IDENTIFIER: US 5118627 A

TITLE: Papova virus construction

DATE-ISSUED: June 2, 1992

INVENTOR-INFORMATION:
NAME

CITY	STATE	ZIP CODE	COUNTRY
Browne; Jeffrey K.	Camarillo	CA	N/A

61. Document ID: US 5171569 A
Entry 61 of 76

File: USPT
Dec 15, 1992

US-PAT-NO: 5171569
DOCUMENT-IDENTIFIER: US 5171569 A

TITLE: Factor IX preparations uncontaminated by plasma components or pox virus

DATE-ISSUED: December 15, 1992

INVENTOR-INFORMATION:
NAME

CITY	STATE	ZIP CODE	COUNTRY
Anson; Donald S.	Hailey	N/A	N/A

US-CL-CURRENT: 435/466; 435/320.1, 435/69.3

ABSTRACT:

A microbial shuttle vector is disclosed which is independently replicative in bacterial cells and

mammalian cells and includes in its DNA sequence bacterial plasmid sequences allowing selection and replication in bacterial cells, an SV40 viral origin of replication, and either an SV40 functional "early gene" promoter and functional "early gene" terminator or an SV40 functional "late gene" promoter and functional "late gene" terminator, the vector having a unique restriction endonuclease enzyme recognition site between the promoter and terminator for insertion of an exogenous gene. The presence of restriction endonuclease enzyme recognition sites facilitative of insertion of a viral functional "late gene" into the "early gene" promoter/terminator vector in a single step allows for conversion of the shuttle vector into a lytic vector of an exogenous gene. The presence of restriction endonuclease enzyme recognition sites facilitative of insertion of a viral functional "late gene" into the "late gene" promoter/terminator vector in a single step allows for conversion of the shuttle vector into a lytic vector.

20 Claims, 0 Drawing figures
Exemplary Claim Number: 1

63. Document ID: US 5061623 A
Entry 63 of 76

File: USPT

Oct 29, 1991

US-PAT-NO: 5061623
DOCUMENT-IDENTIFIER: US 5061623 A

TITLE: Peptides comprising an immunogenic site of poliovirus and DNAs containing nucleotide sequences coding for these peptides

DATE-ISSUED: October 29, 1991

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Girard; Marc	Paris	N/A	N/A	FRX
Van Der Werf; Sylvie	Paris	N/A	N/A	FRX

US-CL-CURRENT: 435/69.3; 435/252.3, 435/252.33, 435/320.1, 435/69.1, 536/23.72

ABSTRACT:

The invention relates to a DNA fragment containing at the most 315 pairs of nucleotides coding for a peptide which can be recognized by antibodies acting both against the "C" and "D" particles of the same poliovirus and against the VP-1 structural polypeptide of the capsid of this poliovirus. This peptide contains in particular the following sequence: Asp Asn Pro Ala Ser Thr Asn Lys Asp Lys Leu.
11 Claims, 24 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 12

64. Document ID: US 5004689 A
Entry 64 of 76

File: USPT

Apr 2, 1991

US-PAT-NO: 5004689
DOCUMENT-IDENTIFIER: US 5004689 A

TITLE: DNA sequences, recombinant DNA molecules and processes for producing human gamma interferon-like polypeptides in high yields

DATE-ISSUED: April 2, 1991

INVENTOR-INFORMATION:
NAME

	CITY	STATE	ZIP CODE	COUNTRY
Fiers; Walter C.	Destelbergen	N/A	N/A	BEX
Allet; Bernard	Onex	N/A	N/A	CHX

US-CL-CURRENT: 435/69.51; 435/252.3, 435/252.33, 435/320.1

ABSTRACT:

DNA sequences, recombinant DNA molecules and hosts transformed with them which produce polypeptides displaying a biological or immunological activity of gamma interferon. The genes coding for these polypeptides and methods of making and using these DNA sequences, molecules, hosts, genes and polypeptides are disclosed. The DNA sequences of this invention are further characterized by expression control sequences which permit the production of gamma interferon in high yields. More particularly, these expression control sequences comprise the lambda. P.sub.L promoter, and more preferably, a trp-derived expression control sequence containing the sequence ATCGATACT between the Shine-Dalgarno sequence and the translational start signal. In appropriate hosts, these DNA sequences and recombinant DNA molecules permit the production and identification of genes and polypeptides displaying a biological or immunological activity of gamma interferon and their use in antiviral, antitumor or anticancer, and immunomodulation agents and methods.

12 Claims, 12 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 12

65. Document ID: US 4968627 A
Entry 65 of 76

File: USPT

Nov 6, 1990

US-PAT-NO: 4968627
DOCUMENT-IDENTIFIER: US 4968627 A

TITLE: DNA fragments coding an immunogen peptide liable of inducing in vivo synthesis of anti-poliovirus antibodies

DATE-ISSUED: November 6, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Girard; Marc	Paris	N/A	N/A	FRX
van der Werf; Sylvie	Paris	N/A	N/A	FRX

US-CL-CURRENT: 435/320.1; 424/185.1, 424/217.1, 435/91.41, 536/23.72

ABSTRACT:

DNA fragment capable of coding for an immunogenic peptide capable of inducing *in vivo* antibody reacting with anti-poliovirus. It possesses up to the order of 1.2 kilobase pairs and contains a nucleotide sequence coding for the poliovirus VP1 protein.
9 Claims, 18 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

66. Document ID: US 4942125 A

Entry 66 of 76

File: USPT

Jul 17, 1990

US-PAT-NO: 4942125

DOCUMENT-IDENTIFIER: US 4942125 A

TITLE: SV40 expression vector containing HBxAg as an expression marker

DATE-ISSUED: July 17, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moriarty; Ann M.	San Diego	CA	N/A	N/A

US-CL-CURRENT: 435/7.92; 435/5, 435/69.3, 436/543, 530/326, 530/826

ABSTRACT:

Cloning and expression vectors for hepatitis B HBxAg, cell cultures containing those vectors, polypeptides related to HBxAg and diagnostic systems and methods for assaying for the presence of HBxAg and anti-HBxAg antibodies in a body sample are disclosed.
11 Claims, 10 Drawing figures
Exemplary Claim Number: 5
Number of Drawing Sheets: 9

67. Document ID: US 4940781 A

Entry 67 of 76

File: USPT

Jul 10, 1990

US-PAT-NO: 4940781
DOCUMENT-IDENTIFIER: US 4940781 A

TITLE: Peptides comprising an immunogenic side of poliovirus and DNAs containing nucleotide sequences coding for these peptides

DATE-ISSUED: July 10, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Girard; Marc	Paris	N/A	N/A	FRX
Van Der Werf; Sylvie	Paris	N/A	N/A	FRX

US-CL-CURRENT: 530/350; 530/324, 530/325, 530/326, 530/327

ABSTRACT:

Peptides which can be recognized by antibodies acting both against the "C" and "D" particles of the same poliovirus and against the VP-1 structural polypeptides of this capsid of the poliovirus. These peptides comprise the amino acid sequence: Asp Asn Pro Ala Ser Thr Thr Asn Lys Asp Lys Leu; and one or more additional amino acids in a specified sequence.
2 Claims, 23 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 11

68. Document ID: US 4840896 A

Entry 68 of 76

File: USPT

Jun 20, 1989

US-PAT-NO: 4840896
DOCUMENT-IDENTIFIER: US 4840896 A

TITLE: Heteropolymeric protein

DATE-ISSUED: June 20, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reddy; Vermuri B.	Framingham	MA	N/A	N/A
Hsiung; Nancy	Wellesley	MA	N/A	N/A

Beck; Anton K.	Chestnut Hill	MA	N/A	N/A	70. Document ID: US 4767709 A	Entry 70 of 76	File: USPT	Aug 30, 1988
Bernstine; Edward G.	Boston	MA	N/A	N/A	US-PAT-NO: 4767709	DOCUMENT-IDENTIFIER: US 4767709 A		
US-CL-CURRENT: 435/69.4; 435/354, 435/364								
ABSTRACT:								
Biologically active heteropolymeric protein composed of a plurality of subunits, each subunit being synthesized by a cell having an expression vector heterologous DNA encoding the subunit.								
18 Claims, 11 Drawing figures								
Exemplary Claim Number: 1								
Number of Drawing Sheets: 10								
69. Document ID: US 4777240 A	Entry 69 of 76	File: USPT	Oct 11, 1988		US-CL-CURRENT: 435/363; 435/320.1, 530/399, 536/23.5, 536/23.51, 930/10, 930/120, 930/300			
US-PAT-NO: 4777240								
DOCUMENT-IDENTIFIER: US 4777240 A								
TITLE: SV40 expression vector containing HBxAg as an expression marker								
DATE-ISSUED: October 11, 1988								
INVENTOR-INFORMATION:								
NAME								
	CITY	STATE	ZIP CODE	COUNTRY				
Moriarty; Ann M.	San Diego	CA	N/A	N/A	71. Document ID: US 4741901 A	Entry 71 of 76	File: USPT	May 3, 1988
Alexander; Hannah	San Diego	CA	N/A	N/A	US-PAT-NO: 4741901	DOCUMENT-IDENTIFIER: US 4741901 A		
Lerner; Richard A.	San Diego	CA	N/A	N/A	TITLE: Preparation of polypeptides in vertebrate cell culture			
US-CL-CURRENT: 530/326; 435/5, 435/69.3, 436/543, 530/327, 530/387.9, 530/389.4, 530/389.8, 530/826, 930/223, 930/DIG.811								
ABSTRACT:								
Cloning and expression vectors for hepatitis B HBxAg, cell cultures containing those vectors, and diagnostic systems and methods for assaying for the presence of HBxAg and anti-HBxAg in a body sample are disclosed.								
4 Claims, 10 Drawing figures								
Exemplary Claim Number: 1								
Number of Drawing Sheets: 9								
INVENTOR-INFORMATION:								
NAME								
	CITY	STATE	ZIP CODE	COUNTRY				
Levinson; Arthur D.	Burlingame	CA	N/A	N/A				
Liu; Chung-Cheng	San Bruno	CA	N/A	N/A				

Yansura; Daniel G.

San Francisco

CA

N/A

N/A

Jul 8, 1986

US-CL-CURRENT: 424/227.1; 435/320.1, 435/69.3, 514/2, 530/403,
530/806, 530/826

ABSTRACT:

Novel vaccines are provided for immunization against hepatitis B surface antigen wherein the surface antigen is present in 22nm form but contains only mature hepatitis B surface antigen.

1 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 9

72. Document ID: US 4694072 A
Entry 72 of 76

File: USPT

Sep 15, 1987

US-PAT-NO: 4694072
DOCUMENT-IDENTIFIER: US 4694072 A

TITLE: Peptides comprising an immunogenic site of poliovirus and DNAs containing nucleotide sequences coding for these peptides

DATE-ISSUED: September 15, 1987

INVENTOR-INFORMATION:
NAME

CITY

STATE

ZIP CODE

COUNTRY

Girard; Marc

Paris

N/A

N/A

FRX

van der Werf, Sylvie

Paris

N/A

N/A

FRX

US-CL-CURRENT: 530/350; 530/324, 530/327, 930/220

ABSTRACT:

The invention relates to a DNA fragment containing at the most 315 parts of nucleotides coding for a peptide which can be recognized by antibodies acting both against the "C" and "D" particles of the same poliovirus and against the VP-1 structural polypeptide of the capsid of this poliovirus. This peptide contains in particular the following sequence:

Asp Asn Pro Ala Ser Thr Thr Asn Lys Asp Lys Leu.
5 Claims, 22 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 10

73. Document ID: US 4599308 A
Entry 73 of 76

File: USPT

US-PAT-NO: 4599308
DOCUMENT-IDENTIFIER: US 4599308 A

TITLE: Protein from SV40 recombinants

DATE-ISSUED: July 8, 1986

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Hamer; Dean H.

Washington

DC

20005

N/A

Kaehler; Marian

Decorah

IA

52101

N/A

Leder; Philip

Bethesda

MD

20014

N/A

US-CL-CURRENT: 435/69.4; 435/466, 435/69.6

ABSTRACT:

An E. Coli plasmid SV40 vector recombinant is cloned to a gene of interest and amplified in bacteria. The SV40 vector-gene of interest can be introduced into eukaryotic cells by transformation or transfection and the gene of interest produces its protein product.

2 Claims, 1 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 1

74. Document ID: US 4563419 A

Entry 74 of 76

File: USPT

Jan 7, 1986

US-PAT-NO: 4563419
DOCUMENT-IDENTIFIER: US 4563419 A

TITLE: Detection of microbial nucleic acids by a one-step sandwich hybridization test

DATE-ISSUED: January 7, 1986

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Ranki; Tuula M.

Esboo

N/A

N/A

FIX

Soderlund; Hans E.

Esboo

N/A

N/A

FIX

US-CL-CURRENT: 435/6; 435/188, 435/4, 435/5, 435/810, 436/501, 436/504, 436/804, 436/808, 436/811, 436/823, 536/23.7, 536/24.32

ABSTRACT:

This invention relates to a kit for the detection of microbial nucleic acids and a method for identifying the nucleic acids using a one-step sandwich hybridization technique. The technique requires two complementary nucleic acid reagents for each microbe or group of microbes to be identified.

8 Claims, 0 Drawing figures
Exemplary Claim Number: 1

75. Document ID: US 4486539 A
Entry 75 of 76

File: USPT
Dec 4, 1984

US-PAT-NO: 4486539
DOCUMENT-IDENTIFIER: US 4486539 A

TITLE: Detection of microbial nucleic acids by a one-step sandwich hybridization test

DATE-ISSUED: December 4, 1984

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ranki; Tuula M.	Espoo	N/A	N/A	FIX
Soderlund Hans E.	Espoo	N/A	N/A	FIX

US-CL-CURRENT: 436/504; 435/5, 435/6, 436/804, 436/808, 536/24.3, 536/25.32

ABSTRACT:

This invention relates to a diagnostic kit based on a one step hybridization procedure and method of using the kit for identifying the nucleic acids of viruses and bacteria contained in a single sample. The procedure requires two nucleic acid reagents for each microbe or group of microbes to be identified.

8 Claims, 0 Drawing figures
Exemplary Claim Number: 1

76. Document ID: EP 962525 A1, WO 9806828 A1, AU 9712096 A, JP 10509573 X
Entry 76 of 76

File: DWPI
Dec 8, 1999

DERWENT-ACC-NO: 1998-159521
DERWENT-WEEK: 200002

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TITLE: Phage with improved location specificity for cell nuclei - has a nuclear location signal
peptide fused to the phage gpD head protein
INVENTOR: AKUTA, T; HASEGAWA, M; NAGOSHI, E; NAKANISHI, M; TAKEDA, K

PRIORITY-DATA:
1996JP-0227787

August 9, 1996

PATENT-FAMILY:
PUB-NO

PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 962525 A1 December 8, 1999	E	000	C12N007/01
WO 9806828 A1 February 19, 1998	J	027	C12N007/01
AU 9712096 A March 6, 1998	N/A	000	C12N007/01
JP 10509573 X October 19, 1999	N/A	000	C12N007/01

INT-CL (IPC): C07K 19/00; C12N 1/21; C12N 5/10; C12N 7/01; C12N 15/87; C12N 7/01; C12R 1/92; C12N 7/01; C12R 1/92; C12N 15/87; C12R 1/92; C12N 1/21; C12R 1/19; C12N 5/10; C12R 1/91; C12N 7/01; C12R 1/92; C12N 15/87; C12R 1/92; C12N 1/21; C12R 1/19; C12N 5/10; C12R 1/91

ABSTRACTED-PUB-NO: WO 9806828A
BASIC-ABSTRACT:

A phage (such as a lambda -phage) has a nuclear location signal (NLS) protein fused to the phage head region protein (e.g. gpD protein). This enables the phage to locate itself more efficiently at the nucleus of an infected cell. The phage obtained can package lambda -phage DNA of 80% or 100% genomic size. Suitable NLS proteins include: (1) the SV40 VP1 NLS (KMAPTKRKGSAPGAAPKKPK); (2) the SV40 large T antigen NLS (YDDEATADSQHSTPPKKRKVEDPKDFESELLS); (3) the hepatitis D delta -antigen NLS (KKDKDGEAPPAAKKLRLMDQMEIDAGPRKRP); (4) the SV40 large T antigen small NLS (PKKKRKV). (The figure shows these NLS attached to the gpD protein). Also claimed is DNA coding for the fused NLS/phage head region protein; vectors containing this DNA; cells (such as Escherichia coli) transformed by these vectors, and kits for production of phage incorporating the NLS, which include these transformed cells.

USE - The phage bearing the NLS protein fused to the phage head region efficiently transports phage DNA to the cell nucleus (e.g. in mammalian cells). It is thus useful for insertion of foreign genes into the cell nucleus for gene therapy and for research purposes.